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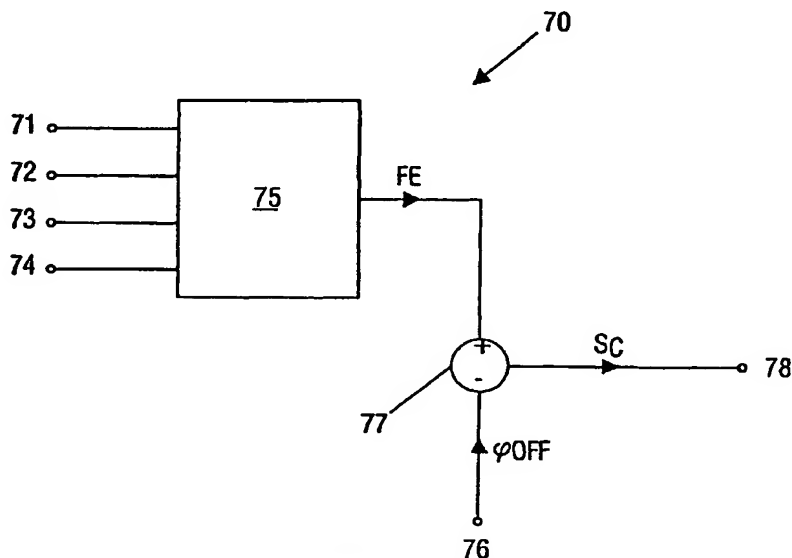
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[Continued on next page]

(54) Title: **OPTICAL PICKUP**



(57) Abstract: An optical disc drive (1) comprises an optical pickup (3) with a 4-quadrant photo-detector (20); an objective lens (14) mounted displaceably with respect to the photo-detector (20); an optical displacement actuator (30) for displacing the objective lens (14); and a servo controller (70) for controlling the focus actuator (30). The controller (70) receives respective detector signals (S1, S2, S3, S4) from the photo-detector (20). The controller (70) is adapted to process these detector signals to produce a focal error signal (FE) which is zero if these signals all have identical magnitude. The controller (70) is further adapted to subtract/add an offset parameter (ϕ_{OFF}) from/to said focal error signal (FE), and to provide the difference/sum as a control output signal.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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X	EP 0 840 295 A (SONY CORP) 6 May 1998 (1998-05-06) column 7, line 17 - line 48; figure 5 abstract; figure 1	1,4-6,8, 9
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X	US 5 574 706 A (VERBOOM JOHANNES J ET AL) 12 November 1996 (1996-11-12) the whole document	1,2,4,5, 8,9
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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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